

AMENDMENTS

Please amend the above application as follows:

In the Claims

Please cancel claims 1 and 2 without prejudice.

Claims 1-2 (canceled)

Claim 3 (withdrawn) A serine protease inhibitor according to claim 1 wherein said substance which is capable of inhibiting the reaction of a serine protease with a substrate thereof by binding itself to said substrate of serine protease in competition with said serine protease is a substance obtained by having at least one amino acid of said serine protease substituted, added, or deleted by genetic engineering.

Claim 4 (currently amended) A serine protease inhibitor containing an anhydridized serine protease according to claim 1 wherein said substance which is capable of inhibiting the reaction of a serine protease with a substrate thereof by binding itself to said substrate of serine protease in competition with said serine protease is an anhydridized serine protease.

Claim 5 (currently amended) A serine protease inhibitor according to claim 4, wherein said anhydridized serine protease is at least one member selected from the group consisting of anhydridized activating activated blood coagulation factor II, anhydridized activating activated blood coagulation factor VII, anhydridized activating activated blood coagulation factor IX, and anhydridized activating activated blood coagulation factor X.

Claim 6 (previously presented) A serine protease inhibitor according to claim 4 wherein the site of anhydridization of said anhydridized serine protease is made solely of an active serine residue.

Claim 7 (currently amended) A serine protease inhibitor according to claim 4 wherein said anhydridized serine protease is obtained by a method which includes

- (1) a step of inducing reaction of the active serine residue site of a serine protease with an inhibitor,
- (2) a step of performing an alkali treatment, and
- (3) a step of performing collection, wherein said method also executes said steps sequentially in the order mentioned, and ~~carries out~~ at least said step ~~(3) of performing collection with permitting coexistence is carried out in the presence of at least one compound selected from the group consisting of polyhydric alcohols and or saccharides.~~

Claim 8 (currently amended) A serine protease inhibitor according to claim 7, wherein ~~said step of performing said the alkali treatment step~~ is carried out at a pH value in the range of 11.0 – 13.5.

Claim 9 (withdrawn) A serine protease inhibitor according to claim 1 which contains at least 2 types of said substance which is capable of inhibiting the reaction of a serine protease with a substrate thereof by binding itself to said substrate of serine protease in competition with said serine protease.

Claim 10 (currently amended) An antithrombotic containing a serine protease inhibitor as set forth in claim 4 4.

Claim 11 (currently amended) An antifibrinolytic containing a serine protease inhibitor as set forth in claim 4 4.

Claim 12 (currently amended) An agent for resisting a digestive enzyme, containing a serine protease inhibitor as set forth in claim 4 4.

Claim 13 (currently amended) An agent for curing treating disseminated intravascular coagulation disorders in patients in need of such treatment, containing a serine protease inhibitor as set forth in claim 4.

Claim 14 (new) A method for treating disseminated intravascular coagulation disorders in patients in need of such treatment, comprising administering an effective amount of a serine protease inhibitor of claim 4.

Claim 15 (new) The method of claim 14 wherein said serine protease inhibitor is the serine protease inhibitor of claim 5.

Claim 16 (new) The method of claim 14 wherein said serine protease inhibitor is the serine protease inhibitor of claim 6.

Claim 17 (new) The method of claim 14 wherein said serine protease inhibitor is the serine protease inhibitor of claim 7.

Claim 18 (new) The method of claim 14 wherein said serine protease inhibitor is the serine protease inhibitor of claim 8.

Claim 19 (new) A serine protease inhibitor according to claim 4, wherein said anhydridized serine protease is obtained by substituting dehydroalanine for the active serine residue at the active center of the serine protease.